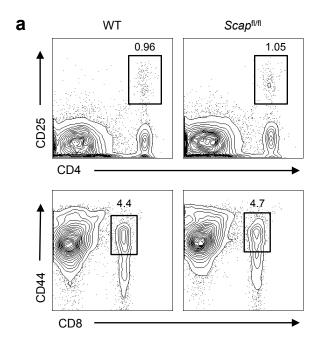
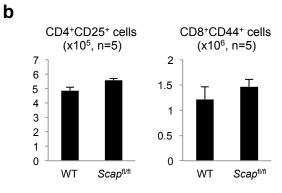
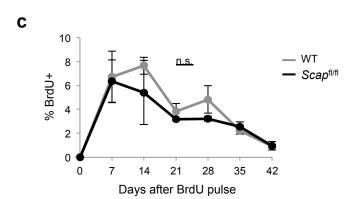
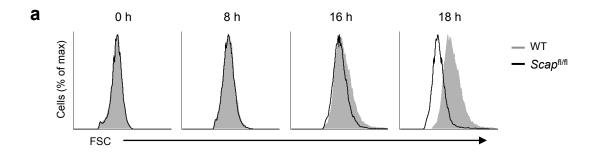


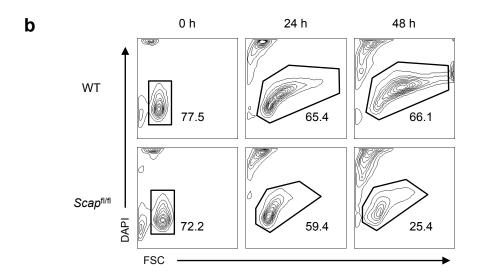
Kidani et al.

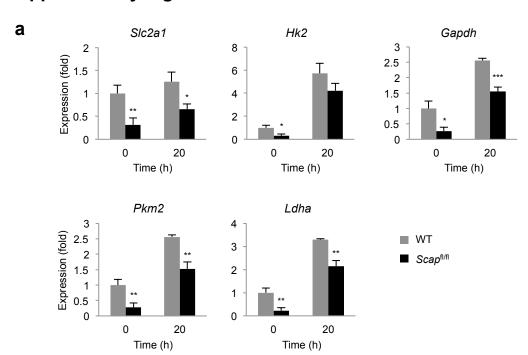


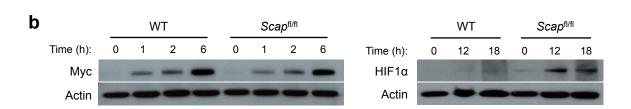


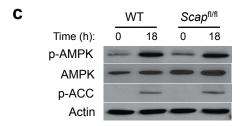


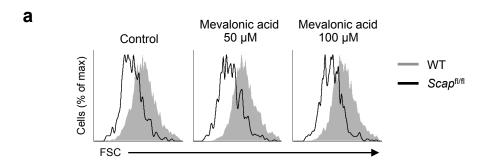


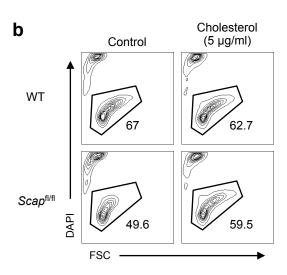












1421684_at			
1420990_at	1421684_at	Ctsll3	Cathepsin L-like 3
1436343_at	1417143_at	Lpar1	Lysophosphatidic acid receptor 1
1443904 at #N/A #N/A #N/A  1448794_s_ at Dnajc2 at Dnaj (Hsp40) homolog, subfamily C, member 2  at 1458847_at 0 Transcribed locus  1417775 at Polr1a Polymerase (RNA) I polypeptide A  1419176_at Vps37a Vacuolar protein sorting 37A (yeast)  1426483_at Prkrir Protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)  1433613_at Pank3 Pantothenate kinase 3  1421894_a_ Tpp2 Tripeptidyl peptidase II  1415807_s_ at Serine/arginine-rich splicing factor 2  at Hsd17b7 Hydroxysteroid (17-beta) dehydrogenase 7  1423143_at Gtpbp4 GTP binding protein 4  1426853_at 0 Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus]  1433445_x_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1450646_at Cyp51 Cytochrome P450, family 51  1433443_a_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1450646_at Cyp51 Cytochrome P450, family 51  1433444_at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1450010_at Hsd17b12 Hydroxysteroid (17-beta) dehydrogenase 12  1433444_at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1448563_at Phb Prohibitin  1440346_at Kdm6b KDM1 lysine (K)-specific demethylase 6B  149072_a_ at Momuta Ahcyl1 S-adenosylhomocysteine hydrolase-like 1  1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1  1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human)  1422769_at Synaptotagmin binding, cytoplasmic RNA interacting protein	1420990_at	Chd1	Chromodomain helicase DNA binding protein 1
1448794_s_ at	1436343_at	Chd4	Chromodomain helicase DNA binding protein 4
at  1458847_at  1458847_at  1419176_at  1419176_at  1426483_at  1426483_at  1426483_at  1421894_a_ at  1418964_at  141871_at  145875_at  142683_at  142833_at  1428363_at  1438363_at  14480701_a_ 24436630_at  1428630_at  1428630_at  14286769_at  1438015_at  14480769_at  1448863_at  1440013_at  1440363_at  1450610_at  1450610_at  1450610_at  1450701_a_ 36620_at  14508262  150826262  150826262  1508266262  1508266262  1508266262  1608266262  1608266262  1608266262  1708266	1443904_at	#N/A	#N/A
1458847_at0Transcribed locus1417775_atPolr1aPolymerase (RNA) I polypeptide A1419176_atVps37aVacuolar protein sorting 37A (yeast)1426483_atPrkrirProtein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)1433613_atPank3Pantothenate kinase 31421894_aTpp2Tripeptidyl peptidase IIat1415807_sSrsf2Serine/arginine-rich splicing factor 2at1418964_atPigmPhosphatidylinositol glycan anchor biosynthesis, class M1417871_atHsd17b7Hydroxysteroid (17-beta) dehydrogenase 71423143_atGtpbp4GTP binding protein 41426853_at0Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus]1433445_xHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 1145064_atCyp51Cytochrome P450, family 51145064_atCyp51Cytochrome P450, family 511433443_aHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11450010_atHsd17b12Hydroxysteroid (17-beta) dehydrogenase 121433444_atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11448563_atPhbProhibitin1440346_atKdm6bKDM1 lysine (K)-specific demethylase 6B1449072_aN6amt2N-6 adenine-specific DNA methyltransferase 2 (putative)at1450701_aGtf2h2General transcription factor II H, polypeptide 2at1426630_atExosc2Exosome component 2	1448794_s_	Dnajc2	DnaJ (Hsp40) homolog, subfamily C, member 2
1417775_at Polr1a Polymerase (RNA) I polypeptide A 1419176_at Vps37a Vacuolar protein sorting 37A (yeast) 1426483_at Prkrir Protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor) 1433613_at Pank3 Pantothenate kinase 3 1421894_a Tpp2 Tripeptidyl peptidase II 1415807_s Srsf2 Serine/arginine-rich splicing factor 2 at Pigm Phosphatidylinositol glycan anchor biosynthesis, class M 1417871_at Hsd17b7 Hydroxysteroid (17-beta) dehydrogenase 7 1423143_at Gfbbp4 GTP binding protein 4 1426853_at 0 Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus] 1433445_x Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 at 1425833_at Cyp51 Cytochrome P450, family 51 1433443_a Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 at 1450046_at Cyp51 Cytochrome P450, family 51 1433443_a Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 at 1450010_at Hsd17b12 Hydroxysteroid (17-beta) dehydrogenase 12 1433444_at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 1448563_at Phb Prohibitin 1440346_at Kdm6b KDM1 lysine (K)-specific demethylase 6B 1449072_a N6amt2 N-6 adenine-specific DNA methyltransferase 2 (putative) at 1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1 142603_at Exosc2 Exosome component 2 1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1 1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human)	at		
1419176_at Vps37a Vacuolar protein sorting 37A (yeast) 1426483_at Prkrir Protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor) 1433613_at Pank3 Pantothenate kinase 3 1421894_a Tpp2 Tripeptidyl peptidase II at Serine/arginine-rich splicing factor 2 at Plgm Phosphatidylinositol glycan anchor biosynthesis, class M 1417871_at Hsd17b7 Hydroxysteroid (17-beta) dehydrogenase 7 1423143_at Gtpbp4 GTP binding protein 4 1426853_at 0 Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus] 1433445_x Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 at Cyp51 Cytochrome P450, family 51 1433443_a Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 at 1450010_at Hsd17b12 Hydroxysteroid (17-beta) dehydrogenase 12 1433444_at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 1448563_at Phb Prohibitin 144936_at Kdm6b KDM1 lysine (K)-specific demethylase 6B 1449072_a N6amt2 Rome About Methyl Rome	1458847_at	0	Transcribed locus
1426483_at	1417775_at	Polr1a	Polymerase (RNA) I polypeptide A
dependent inhibitor, repressor of (P58 repressor)  1433613_at Pank3 Pantothenate kinase 3  1421894_a_ at Tpp2 Tripeptidyl peptidase II  at Pank3 Serine/arginine-rich splicing factor 2  at Pigm Phosphatidylinositol glycan anchor biosynthesis, class M  1417871_at Hsd17b7 Hydroxysteroid (17-beta) dehydrogenase 7  1423143_at Gtpbp4 GTP binding protein 4  1426853_at O Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus]  1433445_x_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1422533_at Cyp51 Cytochrome P450, family 51  1433443_a_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  at Phosphatidylinositol glycan anchor biosynthesis, class M  1426853_at OFF binding protein 4  1426646_at Cyp51 Cytochrome P450, family 51  1433443_a_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1450010_at Hsd17b12 Hydroxysteroid (17-beta) dehydrogenase 12  1433444_at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1448563_at Phb Prohibitin  1440346_at Kdm6b KDM1 lysine (K)-specific demethylase 6B  1449072_a_ N6amt2 N-6 adenine-specific DNA methyltransferase 2 (putative)  at Phosphatic Prohibitin Coenzyme A synthase 1  1426630_at Exosc2 Exosome component 2  1426630_at Exosc2 Exosome component 2  1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1  1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human)	1419176_at	Vps37a	Vacuolar protein sorting 37A (yeast)
1433613_etPank3Pantothenate kinase 31421894_a_atTpp2Tripeptidyl peptidase II1415807_s_atSrsf2Serine/arginine-rich splicing factor 2at1418964_atPigmPhosphatidylinositol glycan anchor biosynthesis, class M1417871_atHsd17b7Hydroxysteroid (17-beta) dehydrogenase 71423143_atGtpbp4GTP binding protein 41426853_at0Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus]1433445_x_atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11422533_atCyp51Cytochrome P450, family 511433443_a_atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11450010_atHsd17b12Hydroxysteroid (17-beta) dehydrogenase 121433444_atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11448563_atPhbProhibitin1440346_atKdm6bKDM1 lysine (K)-specific demethylase 6B1449072_a_atN6amt2N-6 adenine-specific DNA methyltransferase 2 (putative)atGeneral transcription factor II H, polypeptide 21450701_a_atGtf2h2General transcription factor II H, polypeptide 21426630_atExosc2Exosome component 21426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein	1426483_at	Prkrir	Protein-kinase, interferon-inducible double stranded RNA
1421894_a Tpp2 at Tripeptidyl peptidase II  1415807_s_ at Srsf2 Serine/arginine-rich splicing factor 2  1418964_at Pigm Phosphatidylinositol glycan anchor biosynthesis, class M  1417871_at Hsd17b7 Hydroxysteroid (17-beta) dehydrogenase 7  1423143_at Gtpbp4 GTP binding protein 4  1426853_at 0 Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus]  1433445_x_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1422533_at Cyp51 Cytochrome P450, family 51  1450646_at Cyp51 Cytochrome P450, family 51  1433443_a_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1450010_at Hsd17b12 Hydroxysteroid (17-beta) dehydrogenase 12  1433444_at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1448563_at Phb Prohibitin  1440346_at Kdm6b KDM1 lysine (K)-specific demethylase 6B  1449072_a_ N6amt2 N-6 adenine-specific DNA methyltransferase 2 (putative)  at 1426630_at Exosc2 Exosome component 2  1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1  1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human)  1422769_at Syncrip Synaptotagmin binding, cytoplasmic RNA interacting protein			dependent inhibitor, repressor of (P58 repressor)
at  1415807_s_ at  1418964_at Pigm Phosphatidylinositol glycan anchor biosynthesis, class M  1417871_at Hsd17b7 Hydroxysteroid (17-beta) dehydrogenase 7  1423143_at Gtpbp4 GTP binding protein 4  1426853_at 0 Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus]  1433445_x_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1422533_at Cyp51 Cytochrome P450, family 51  1450646_at Cyp51 Cytochrome P450, family 51  1433443_a_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1450010_at Hsd17b12 Hydroxysteroid (17-beta) dehydrogenase 12  1443844_at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1448563_at Phb Prohibitin  1440346_at Kdm6b KDM1 lysine (K)-specific demethylase 6B  1449072_a_ N6amt2 N-6 adenine-specific DNA methyltransferase 2 (putative)  at 1426630_at Exosc2 Exosome component 2  1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1  1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human)  1422769_at Syncrip Synaptotagmin binding, cytoplasmic RNA interacting protein	1433613_at	Pank3	Pantothenate kinase 3
1415807_s_ at  1418964_at Pigm Phosphatidylinositol glycan anchor biosynthesis, class M  1417871_at Hsd17b7 Hydroxysteroid (17-beta) dehydrogenase 7  1423143_at Gtpbp4 GTP binding protein 4  1426853_at 0 Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus]  1433445_x_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1422533_at Cyp51 Cytochrome P450, family 51  1450646_at Cyp51 Cytochrome P450, family 51  1433443_a_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  at 1450010_at Hsd17b12 Hydroxysteroid (17-beta) dehydrogenase 12  1433444_at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1448563_at Phb Prohibitin  1440346_at Kdm6b KDM1 lysine (K)-specific demethylase 6B  1449072_a_ N6amt2 N-6 adenine-specific DNA methyltransferase 2 (putative) at 1426630_at Exosc2 Exosome component 2  1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1  1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human)  1422769_at Syncrip Synaptotagmin binding, cytoplasmic RNA interacting protein	1421894_a_	Tpp2	Tripeptidyl peptidase II
at  1418964_at Pigm Phosphatidylinositol glycan anchor biosynthesis, class M  1417871_at Hsd17b7 Hydroxysteroid (17-beta) dehydrogenase 7  1423143_at Gtpbp4 GTP binding protein 4  1426853_at 0 Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus]  1433445_x_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1422533_at Cyp51 Cytochrome P450, family 51  1433443_a_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  at 1450010_at Hsd17b12 Hydroxysteroid (17-beta) dehydrogenase 12  1433444_at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1448563_at Phb Prohibitin  1440346_at Kdm6b KDM1 lysine (K)-specific demethylase 6B  1449072_a_ N6amt2 N-6 adenine-specific DNA methyltransferase 2 (putative) at 1  1426630_at Exosc2 Exosome component 2  1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1  1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human)  1422769_at Syncrip Synaptotagmin binding, cytoplasmic RNA interacting protein	at		
1418964_atPigmPhosphatidylinositol glycan anchor biosynthesis, class M1417871_atHsd17b7Hydroxysteroid (17-beta) dehydrogenase 71423143_atGtpbp4GTP binding protein 41426853_at0Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus]1433445_xHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 1at1422533_atCyp51Cytochrome P450, family 511450646_atCyp51Cytochrome P450, family 511433443_aHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 1at1450010_atHsd17b12Hydroxysteroid (17-beta) dehydrogenase 121433444_atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11448563_atPhbProhibitin1440346_atKdm6bKDM1 lysine (K)-specific demethylase 6B1449072_aN6amt2N-6 adenine-specific DNA methyltransferase 2 (putative)at1450701_aGff2h2General transcription factor II H, polypeptide 2at1426630_atExosc2Exosome component 21426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein	1415807_s_	Srsf2	Serine/arginine-rich splicing factor 2
1417871_atHsd17b7Hydroxysteroid (17-beta) dehydrogenase 71423143_atGtpbp4GTP binding protein 41426853_at0Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus]1433445_x_ atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11422533_atCyp51Cytochrome P450, family 511450646_atCyp51Cytochrome P450, family 511433443_a_ atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11450010_atHsd17b12Hydroxysteroid (17-beta) dehydrogenase 121433444_atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11448563_atPhbProhibitin1440346_atKdm6bKDM1 lysine (K)-specific demethylase 6B1449072_a_ atN6amt2N-6 adenine-specific DNA methyltransferase 2 (putative)at1450701_a_ atGtf2h2General transcription factor II H, polypeptide 2at1426630_atExosc2Exosome component 21426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein	at		
1423143_at Gtpbp4 GTP binding protein 4  1426853_at 0 Transcribed locus, moderately similar to NP_001025862.1 protein SET [Gallus gallus]  1433445_x_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1422533_at Cyp51 Cytochrome P450, family 51  1450646_at Cyp51 Cytochrome P450, family 51  1433443_a_ Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  at 1450010_at Hsd17b12 Hydroxysteroid (17-beta) dehydrogenase 12  1433444_at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1448563_at Phb Prohibitin  1440346_at Kdm6b KDM1 lysine (K)-specific demethylase 6B  1449072_a_ N6amt2 N-6 adenine-specific DNA methyltransferase 2 (putative) at 1426630_at Exosc2 Exosome component 2  1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1  1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human)  1422769_at Syncrip Synaptotagmin binding, cytoplasmic RNA interacting protein	1418964_at	Pigm	Phosphatidylinositol glycan anchor biosynthesis, class M
1426853_at	1417871_at	Hsd17b7	Hydroxysteroid (17-beta) dehydrogenase 7
protein SET [Gallus gallus]  1433445_x_ at	1423143_at	Gtpbp4	GTP binding protein 4
1433445_x_ at	1426853_at	0	Transcribed locus, moderately similar to NP_001025862.1
at  1422533_at			protein SET [Gallus gallus]
1422533_atCyp51Cytochrome P450, family 511450646_atCyp51Cytochrome P450, family 511433443_a_ atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11450010_atHsd17b12Hydroxysteroid (17-beta) dehydrogenase 121433444_atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11448563_atPhbProhibitin1440346_atKdm6bKDM1 lysine (K)-specific demethylase 6B1449072_a_ atN6amt2N-6 adenine-specific DNA methyltransferase 2 (putative)at1450701_a_ atGtf2h2General transcription factor II H, polypeptide 2at1426630_atExosc2Exosome component 21426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein	1433445_x_	Hmgcs1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1
1450646_atCyp51Cytochrome P450, family 511433443_a_ atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11450010_atHsd17b12Hydroxysteroid (17-beta) dehydrogenase 121433444_atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11448563_atPhbProhibitin1440346_atKdm6bKDM1 lysine (K)-specific demethylase 6B1449072_a_ atN6amt2N-6 adenine-specific DNA methyltransferase 2 (putative)atGeneral transcription factor II H, polypeptide 2at1426630_atExosc2Exosome component 21426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein	at		
1433443_a_ at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1450010_at Hsd17b12 Hydroxysteroid (17-beta) dehydrogenase 12  1433444_at Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1  1448563_at Phb Prohibitin  1440346_at Kdm6b KDM1 lysine (K)-specific demethylase 6B  1449072_a_ N6amt2 N-6 adenine-specific DNA methyltransferase 2 (putative)  at General transcription factor II H, polypeptide 2  at Exosc2 Exosome component 2  1426630_at Exosc2 Exosome component 2  1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1  1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human)  1422769_at Syncrip Synaptotagmin binding, cytoplasmic RNA interacting protein	1422533_at	Cyp51	
at  1450010_at	1450646_at	Cyp51	Cytochrome P450, family 51
1450010_atHsd17b12Hydroxysteroid (17-beta) dehydrogenase 121433444_atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11448563_atPhbProhibitin1440346_atKdm6bKDM1 lysine (K)-specific demethylase 6B1449072_a_N6amt2N-6 adenine-specific DNA methyltransferase 2 (putative)atGeneral transcription factor II H, polypeptide 21450701_a_Gtf2h2General transcription factor II H, polypeptide 21426630_atExosc2Exosome component 21426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein	1433443_a_	Hmgcs1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1
1433444_atHmgcs13-hydroxy-3-methylglutaryl-Coenzyme A synthase 11448563_atPhbProhibitin1440346_atKdm6bKDM1 lysine (K)-specific demethylase 6B1449072_a_ atN6amt2N-6 adenine-specific DNA methyltransferase 2 (putative)1450701_a_ atGtf2h2General transcription factor II H, polypeptide 21426630_atExosc2Exosome component 21426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein	at		
1448563_atPhbProhibitin1440346_atKdm6bKDM1 lysine (K)-specific demethylase 6B1449072_a_ atN-6 adenine-specific DNA methyltransferase 2 (putative)at1450701_a_ atGtf2h2General transcription factor II H, polypeptide 2at1426630_atExosc2Exosome component 21426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein	1450010_at		Hydroxysteroid (17-beta) dehydrogenase 12
1440346_at Kdm6b KDM1 lysine (K)-specific demethylase 6B  1449072_a_	1433444_at	Hmgcs1	· · · · · · · · · · · · · · · · · · ·
1449072_a_ N6amt2 N-6 adenine-specific DNA methyltransferase 2 (putative)  1450701_a_ Gtf2h2 General transcription factor II H, polypeptide 2  1426630_at Exosc2 Exosome component 2  1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1  1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human)  1422769_at Syncrip Synaptotagmin binding, cytoplasmic RNA interacting protein	1448563_at	Phb	Prohibitin
at  1450701_a_ Gtf2h2 General transcription factor II H, polypeptide 2  at  1426630_at Exosc2 Exosome component 2  1426831_at Ahcyl1 S-adenosylhomocysteine hydrolase-like 1  1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human)  1422769_at Syncrip Synaptotagmin binding, cytoplasmic RNA interacting protein	1440346_at	Kdm6b	
1450701_a_ atGtf2h2 atGeneral transcription factor II H, polypeptide 21426630_atExosc2Exosome component 21426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein	1449072_a_	N6amt2	N-6 adenine-specific DNA methyltransferase 2 (putative)
atExosc2Exosome component 21426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein	at		
1426630_atExosc2Exosome component 21426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein	1450701_a_	Gtf2h2	General transcription factor II H, polypeptide 2
1426831_atAhcyl1S-adenosylhomocysteine hydrolase-like 11438015_atDkc1Dyskeratosis congenita 1, dyskerin homolog (human)1422769_atSyncripSynaptotagmin binding, cytoplasmic RNA interacting protein			
1438015_at Dkc1 Dyskeratosis congenita 1, dyskerin homolog (human) 1422769_at Syncrip Synaptotagmin binding, cytoplasmic RNA interacting protein	1426630_at	Exosc2	·
1422769_at Syncrip Synaptotagmin binding, cytoplasmic RNA interacting protein	1426831_at	•	·
	1438015_at	Dkc1	
1444498 at Godon Genhyrin	1422769_at	Syncrip	Synaptotagmin binding, cytoplasmic RNA interacting protein
1444450_at Opini Ocpinyini	1444498_at	Gphn	Gephyrin

1459403 at	Ldlr	Low density lipoprotein receptor
1450743 s	Syncrip	Synaptotagmin binding, cytoplasmic RNA interacting protein
at	, ,	7 1 8 6, 7 1
1428479_at	Nfatc1	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-
		dependent 1
1433446_at	Hmgcs1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1
1450172_at	Pknox1	Pbx/knotted 1 homeobox
1456058_at	Rbm27	RNA binding motif protein 27
1415867_at	Cct4	Chaperonin containing Tcp1, subunit 4 (delta)
1433535_x_	Cct2	Chaperonin containing Tcp1, subunit 2 (beta)
at		
1434038_at	Dnajc13	DnaJ (Hsp40) homolog, subfamily C, member 13
1444268_at	BC004004	CDNA sequence BC004004
1430980_a_	0	Transcribed locus, strongly similar to NP_989880.1 eukaryotic
at		initiation factor 4A-II [Gallus gallus]
1418563_at	Serbp1	Serpine1 mRNA binding protein 1
1420157_s_	Abcf1	ATP-binding cassette, sub-family F (GCN20), member 1
at		
1421914_s_	Mrpl19	Mitochondrial ribosomal protein L19
at		
1459530_at	#N/A	#N/A
1425113_x_	#N/A	#N/A
at		
1457248_x_	#N/A	#N/A
at	D 4	B : 1 :
1450846_at	Bzw1	Basic leucine zipper and W2 domains 1
1415993_at	Sqle	Squalene epoxidase
1423078_a_	Sc4mol	Sterol-C4-methyl oxidase-like
at 1459315_at	0	Transcribed locus
	Ncl	Nucleolin
1415773_at		
1423804_a_	ldi1	Isopentenyl-diphosphate delta isomerase
at 1430290_at	0	Transcribed locus, strongly similar to NP 997927.1 40S
1430290_at	U	ribosomal protein S15a [Danio rerio]
1427229 at	Hmgcr	3-hydroxy-3-methylglutaryl-Coenzyme A reductase
1450087 a	Nolc1	Nucleolar and coiled-body phosphoprotein 1
at	INDICT	reaction and coned body phosphoprotein 1
1431235 at	Matr3	Matrin 3
1451122 at	Idi1	Isopentenyl-diphosphate delta isomerase
1434752_at	0	Transcribed locus, strongly similar to NP 001019.1 40S
1.51,52_40	J	ribosomal protein S25 [Homo sapiens]

1428870_at	Nolc1	Nucleolar and coiled-body phosphoprotein 1
1450986_at	Nop58	NOP58 ribonucleoprotein homolog (yeast)
1430778_a_	Nubp1	Nucleotide binding protein 1
at		
1423418_at	Fdps	Farnesyl diphosphate synthetase
1423151_at	Dnajb11	DnaJ (Hsp40) homolog, subfamily B, member 11
1447568_at	Gatc	Glutamyl-tRNA(Gln) amidotransferase, subunit C homolog
		(bacterial)
1453424_at	#N/A	#N/A
1456610_at	Kdm6b	KDM1 lysine (K)-specific demethylase 6B
1436384_at	0	Transcribed locus, strongly similar to XP_418029.1
		PREDICTED: hypothetical protein [Gallus gallus]
1457199_at	0	Transcribed locus
1426596_a_	Smn1	Survival motor neuron 1
at		
1434630_at	Ankrd28	Ankyrin repeat domain 28
1455330_at	Nol9	Nucleolar protein 9
1435187_at	0	Transcribed locus
1440253_at	Psmd11	Proteasome (prosome, macropain) 26S subunit, non-ATPase,
		11
1456081_a_	Aacs	Acetoacetyl-CoA synthetase
at		
1451345_at	Mtap	Methylthioadenosine phosphorylase
1420067_at	Cd160	CD160 antigen
1435159_at	9430038I01Rik	RIKEN cDNA 9430038I01 gene
1439972_at	Etnk1	Ethanolamine kinase 1
1431239_at	Nono	Non-POU-domain-containing, octamer binding protein
1440513_at	#N/A	#N/A
1437667_a_	Bach2	BTB and CNC homology 2
at		
1458393_at	#N/A	#N/A
1454664_a_	Eif5	Eukaryotic translation initiation factor 5
at		
1416372_at	Ptdss1	Phosphatidylserine synthase 1
1447947_at	Zfyve16	Zinc finger, FYVE domain containing 16
1419914_s_	Nus1	Nuclear undecaprenyl pyrophosphate synthase 1 homolog (S.
at		cerevisiae)
1450132_at	Hivep3	Human immunodeficiency virus type I enhancer binding
		protein 3
1440996_at	0	Transcribed locus
1449915 at	7fn202	Zinc finger protein 202
_ : : : : : : : : : : : : : : : : : : :	Zfp202	Zinc iniger protein 202

at		
1449732_at	Zscan21	Zinc finger and SCAN domain containing 21
1415911_at	Impact	Imprinted and ancient
1454954_at	Wdr61	WD repeat domain 61
1424250_a_	Arhgef3	Rho guanine nucleotide exchange factor (GEF) 3
at		
1423041_a_	Bzw1	Basic leucine zipper and W2 domains 1
at		
1432850_at	0	Transcribed locus
1416244_a_	Cnbp	Cellular nucleic acid binding protein
at		
1431502_a_	Exosc3	Exosome component 3
at		
1435099_at	Utp14a	UTP14, U3 small nucleolar ribonucleoprotein, homolog A
		(yeast)
1439154_at	Nup98	Nucleoporin 98
1426482_at	Prkrir	Protein-kinase, interferon-inducible double stranded RNA
		dependent inhibitor, repressor of (P58 repressor)
1429710_at	Styx	Serine/threonine/tyrosine interaction protein
1450858_a_	Ube2d3	Ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)
at		
1438897_at	Zdhhc3	Zinc finger, DHHC domain containing 3
1441578_at	Ccdc86	Coiled-coil domain containing 86
1448263 a	Cndp2	CNDP dipeptidase 2 (metallopeptidase M20 family)
at	·	
1438383_x_	0	Transcribed locus
at		
1436183_at	Zc3hav1	Zinc finger CCCH type, antiviral 1
1445269 at	#N/A	#N/A
1449039_a_	Hnrpdl	Heterogeneous nuclear ribonucleoprotein D-like
at	·	
1427923 at	Zmpste24	Zinc metallopeptidase, STE24 homolog (S. cerevisiae)
1442135 at	Ado	2-aminoethanethiol (cysteamine) dioxygenase
1441657 at	0	Transcribed locus, weakly similar to XP_002729512.1
		PREDICTED: hypothetical protein [Rattus norvegicus]
1435953_at	Btaf1	BTAF1 RNA polymerase II, B-TFIID transcription factor-
	-	associated, (Mot1 homolog, S. cerevisiae)
1451087 at	Wdr36	WD repeat domain 36
1454923 at	lws1	IWS1 homolog (S. cerevisiae)
1439867 at	0	Transcribed locus
1455517 at	Rbm4	RNA binding motif protein 4
1420129 s	D10Wsu52e	DNA segment, Chr 10, Wayne State University 52, expressed
1450153_3_	PTOMORAG	DIVA Segment, on 10, wayne state university 32, expressed

at		
1435302_at	Taf4b	TAF4B RNA polymerase II, TATA box binding protein (TBP)-associated factor
1434884 at	Mtdh	Metadherin
1447270 at	#N/A	#N/A
1436007_a_ at	Thumpd1	THUMP domain containing 1
1421969_a_ at	Faah	Fatty acid amide hydrolase
1417766_at	Cyb5b	Cytochrome b5 type B
1426744_at	Srebf2	Sterol regulatory element binding factor 2
1440841_at	0	Transcribed locus
1421821_at	Ldlr	Low density lipoprotein receptor
1437878_s_ at	Ttc14	Tetratricopeptide repeat domain 14
1451895_a_ at	Dhcr24	24-dehydrocholesterol reductase
1441233_at	#N/A	#N/A
1448463_at	4933434E20Ri k	RIKEN cDNA 4933434E20 gene
1448865_at	Hsd17b7	Hydroxysteroid (17-beta) dehydrogenase 7
1420852_a_	B3gnt2	UDP-GlcNAc:betaGal beta-1,3-N-
at		acetylglucosaminyltransferase 2
1432867_at	#N/A	#N/A
1442408_at	Sulf2	Sulfatase 2
1418844_at	Alg9	Asparagine-linked glycosylation 9 homolog (yeast, alpha 1,2 mannosyltransferase)
1442992_at	#N/A	#N/A
1445748_at	#N/A	#N/A
1426074_at	0	Hypothetical protein LOC635138, mRNA (cDNA clone MGC:28021 IMAGE:3660814)
1431947_at	Ldlr	Low density lipoprotein receptor
1447960_at	0	Transcribed locus
1451457_at	Sc5d	Sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) homolog (S. cerevisae)
1454671_at	Insig1	Insulin induced gene 1
1438294_at	Atxn1	Ataxin 1
1456589_x_ at	#N/A	#N/A

1416392_a_at	Atp6v0c	ATPase, H+ transporting, lysosomal V0 subunit C
1430163_at	Rab43	RAB43, member RAS oncogene family
1430252_at	0	Transcribed locus
1435588_at	Wdfy1	WD repeat and FYVE domain containing 1
1416834_x_at	Ndufb2	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2
1422536_at	Tnni3	Troponin I, cardiac 3
1420397_a_at	Spen	SPEN homolog, transcriptional regulator (Drosophila)
1437358_at	Wdfy1	WD repeat and FYVE domain containing 1
1453207_at	0	Transcribed locus, strongly similar to XP_001069626.1 PREDICTED:
		similar to CG14483-PA [Rattus norvegicus]
1416083_at	Zfand5	Zinc finger, AN1-type domain 5
1416512_at	Nubp2	Nucleotide binding protein 2
1422488_at	Nxt1	NTF2-related export protein 1
1421947_at	Gng12	Guanine nucleotide binding protein (G protein), gamma 12
1455412_at	Sfmbt1	Scm-like with four mbt domains 1
1449295_at	Sap30b	SAP30 binding protein
	р	
1449523_at	Bcl7c	B-cell CLL/lymphoma 7C
1416004_at	Ywhah	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase
		activation protein, eta polypeptide
1416082_at	Cep68	Centrosomal protein 68
1434597_at	0	Transcribed locus
1450275_x_at	Ube2f	Ubiquitin-conjugating enzyme E2F (putative)
1460450_at	0	Transcribed locus
1430934_at	Naaladl 2	N-acetylated alpha-linked acidic dipeptidase-like 2
1418011_a_at	0	Transcribed locus
1436869_at	Shh	Sonic hedgehog
1439379_x_at	Prm1	Protamine 1
1417838_at	Ssty2	Spermiogenesis specific transcript on the Y 2
1420310_at	#N/A	#N/A
1416666_at	Serpine	Serine (or cysteine) peptidase inhibitor, clade E, member 2
1447044 at	2	#N/A
1447044_at	#N/A	#N/A
1429169_at	Rbm3	RNA binding motif protein 3
1457507_at	0 Cof2rb2	Transcribed locus
1449360_at	Csf2rb2	Colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage)
1419002 6 0+	Trin10	(8)
1418092_s_at	Trip10	Thyroid hormone receptor interactor 10
1438050_x_at	#N/A	#N/A
1459250_at	0	Transcribed locus, strongly similar to NP_536703.1 teashirt zinc

		finger family member 2 [Mus musculus]
1455394_at	Pias4	Protein inhibitor of activated STAT 4
1442163_at	#N/A	#N/A
1447393_at	#N/A	#N/A
1422415_at	Ang2	Angiogenin, ribonuclease A family, member 2
1430002_at	lqcf1	IQ motif containing F1
1456901_at	Adamts	A disintegrin-like and metallopeptidase (reprolysin type) with
	20	thrombospondin type 1 motif, 20
1423256_a_at	0	Transcribed locus
1438669_at	Dcaf12	DDB1 and CUL4 associated factor 12
1443609_s_at	Syvn1	Synovial apoptosis inhibitor 1, synoviolin
1434861_at	0	Transcribed locus
1428939_s_at	Gnaq	Guanine nucleotide binding protein, alpha q polypeptide
1442171_at	0	Transcribed locus
1441351_at	#N/A	#N/A
1442361_at	#N/A	#N/A
1452124_at	Ank3	Ankyrin 3, epithelial

1416568_a_at	Acin1	Apoptotic chromatin condensation inducer 1
1416801_at	Trpm7	Transient receptor potential cation channel, subfamily M,
		member 7
1428127_at	Atxn7l3b	Ataxin 7-like 3B
1455151_at	Akap9	A kinase (PRKA) anchor protein (yotiao) 9
1438476_a_at	Chd4	Chromodomain helicase DNA binding protein 4
1439180_at	Ino80d	INO80 complex subunit D
1424179_at	Plekhj1	Pleckstrin homology domain containing, family J member 1
1440314_at	0	Transcribed locus
1428378_at	Zc3hav1	Zinc finger CCCH type, antiviral 1
1453240_a_at	Gcap14	Granule cell antiserum positive 14
1439033_at	Zcchc7	Zinc finger, CCHC domain containing 7
1443878_at	Rapgef6	Rap guanine nucleotide exchange factor (GEF) 6
1458710_at	0	Transcribed locus
1423460_at	Gigyf1	GRB10 interacting GYF protein 1
1438736_at	Thoc2	THO complex 2
1439203_at	#N/A	#N/A
1451730_at	Zfp62	Zinc finger protein 62
1454823_at	Wdr37	WD repeat domain 37
1426690_a_at	Srebf1	Sterol regulatory element binding transcription factor 1
1419273_at	C80913	Expressed sequence C80913
1441274_at	#N/A	#N/A
1452030_a_at	Hnrnpr	Heterogeneous nuclear ribonucleoprotein R
1429545_at	Ube2i	Ubiquitin-conjugating enzyme E2I
1427992_a_at	Rab12	RAB12, member RAS oncogene family
1459907_a_at	Whsc1l1	Wolf-Hirschhorn syndrome candidate 1-like 1 (human)
1435002_at	Zfp507	Zinc finger protein 507
1453263_at	Naa35	N(alpha)-acetyltransferase 35, NatC auxiliary subunit
1437544_at	Fubp1	Far upstream element (FUSE) binding protein 1
1460279_a_at	Gtf2i	General transcription factor II I
1458512_at	Tle3	Transducin-like enhancer of split 3, homolog of Drosophila
		E(spl)
1458452_at	Ankrd11	Ankyrin repeat domain 11
1427254_at	Zfp445	Zinc finger protein 445
1429432_at	Bat2l2	HLA-B associated transcript 2-like 2
1444004_at	Thoc2	THO complex 2
1436775_a_at	Ankrd17	Ankyrin repeat domain 17
1445499_at	Zc3h13	Zinc finger CCCH type containing 13
1434393_at	Usp34	Ubiquitin specific peptidase 34
1450071_at	Ash1l	Ash1 (absent, small, or homeotic)-like (Drosophila)
<b>-</b>		

1/159283 at	#N/A	Ι #Ν/Δ	
1433203 at	# IN/ A	#IN/ A	

Supplementary Figure 1. The lipogenic program of activated CD8<sup>+</sup> T cells is **SREBP-dependent.** (a) Real-time PCR analysis of the lipogenic program from purified Pmel TCR transgenic CD8<sup>+</sup> T cells activated with increasing dose of agonist gp100 peptide (0-10 µg/ml). (b) Real-time PCR analysis of quiescent and activated C57BL/6 T cells. Cultures were pretreated with PKC inhibitor Gö6983 (1 µM) for 30 min or vehicle as indicated prior to activation. (c) Immunoblot for mature SREBP2 from nuclear extract and full length SREBP2 from whole cell lysate of C57BL/6 splenic T cells. Nuclear or whole cell extracts were collected from purified CD8+ T cells. In some cases cells were pretreated with 25-HC (10 µM), rapamycin (100 nM) or vehicle for 30 min, and then activated with PMA/iono for 4-24 h as indicated. (d) Schematic of full length murine SREBP domain structure and truncated forms of SREBP (designated ΔSREBP1a or 2) used for transduction of activated T cells. a.a. amino acid. (e) Efficiency of retroviral transduction in purified C57BL/6 T cells 24 h after infection as shown by GFP expression. (f) Real-time PCR analysis of quiescent or 6 h activated T cells transfected with siSREBP1 alone, siSREBP2 alone, siSREBP1 and siSREBP2 or non-target control (siControl). (g) Real-time PCR analysis of lipogenic genes and IL-2 in quiescent and 6 h activated C57BL/6 splenocytes treated with 25-hydroxycholesterol (1 µM 25-HC) or vehicle. qPCR data are presented as the mean of triplicates with standard deviation. All data is representative of at least three independent experiments.

Supplementary Figure 2. Conditional ablation of the SREBP chaperone protein SCAP does not perturb peripheral T cell activation phenotype or turn over. (a,b)

Flow cytometric analysis (a) and absolute cell number (b) of CD4<sup>+</sup>CD25<sup>+</sup> or CD8<sup>+</sup>CD44<sup>+</sup>

splenocytes from 5 week old WT and  $Scap^{fl/fl}$  mice. Frequency of gated cells indicated in FACS plots. (c) Percentage of BrdU-positive T cells in total peripheral T cells collected from blood. 5-week-old WT and  $Scap^{fl/fl}$  mice were injected with a single dose of BrdU i.p., then bled on indicated days. Curves were assessed by 2-way ANOVA and determined to be no different (p=0.2).

Supplementary Figure 3. Conditional ablation of the SREBP chaperone protein SCAP does not alters apoptosis of activated CD8<sup>+</sup> T cells but perturbs late survival.

(a) Forward scatter histograms of WT and  $Scap^{fl/fl}$  CD8<sup>+</sup> T cells activated with anti-CD3-28 for indicated time. (b) Frequency of DAPI-negative (live) WT and  $Scap^{fl/fl}$  CD8<sup>+</sup> T cells activated with anti-CD3-28 for indicated time. FACS plots are representative of at least two experiments.

Supplementary Figure 4. Glucose and glycolysis is impaired in activated *Scap*<sup>fl/fl</sup> CD8<sup>+</sup> T cells. (a) RT-PCR analysis of quiescent or activated CD8<sup>+</sup> T cells for indicated time. Data are mean of triplicates with standard deviation, and representative of three experiments. *Slc2a1*: solute carrier family 2 (facilitated glucose transporter), member1 (Glut1), *Hk2*: hexokinase2, *Gapdh*: glyceraldehyde-3-phosphate dehydrogenase, *Pkm2*: pyruvate kinase, muscle, *Ldha*: lactate dehydrogenase A. (b,c) Immunoblots for Myc, HIF, phospho and total AMPK, and phospho ACC from whole cell lysate of quiescent or activated CD8<sup>+</sup> T cells with anti-CD3-28 for indicated time. Data are representative of at least two experiments. \*\*p<0.01, \*\*\*p<0.001.

Supplementary Figure 5. Cholesterol but not mevalonic acid rescues *Scap*<sup>fl/fl</sup> CD8<sup>+</sup> T cell growth and proliferation. (a) Forward scatter histograms of WT and *Scap*<sup>fl/fl</sup> CD8<sup>+</sup> T cells activated with anti-CD3-28 for 40 h with or without mevalonic acid at indicated concentration. (b) Frequency of DAPI-negative (live) WT and *Scap*<sup>fl/fl</sup> CD8<sup>+</sup> T cells activated with anti-CD3-28 for 24 h with or without 5 µg/ml of MβCD-cholesterol in 10% FBS supplemented media.

Supplementary Table. List of Genes differentially expressed between WT and Scap<sup>fl/fl</sup> in quiescent and activated CD8<sup>+</sup> T cells. List of genes differentially upregulated in control CD8<sup>+</sup> T cells when compared to Scap-deficient T cells 6 h after activation with anti-CD3-28. Genes upregulated in activated Scap-deficient CD8<sup>+</sup> T cells compared to activated control CD8<sup>+</sup> T cells. Genes downregulated in quiescent Scap-deficient T cells compared to quiescent control CD8<sup>+</sup> T cells.